

Title (en)

A cooling method, device and projector

Title (de)

Kühlverfahren, Vorrichtung und Projektor

Title (fr)

Procédé de refroidissement, dispositif et projecteur

Publication

EP 2233973 A1 20100929 (EN)

Application

EP 09155980 A 20090324

Priority

EP 09155980 A 20090324

Abstract (en)

The present invention relates to the field of cooling technologies and, particularly, discloses a heat source cooling method, a cooling air channel (4) and a projector capable of ensuring desired normal operating temperatures of a heat source (5). The heat source cooling method comprises the steps of: blowing (101) a cooling air flow towards a heat source (5); and splitting (102) the cooling air flow into a first split air flow and a second split air flow, wherein the first split air flow is blowing towards and directly cooling a first portion of the heat source, the second split air flow is blowing towards and directly cooling a second portion of the heat source, and other portions of the heat source (5) are being cooled indirectly by heat conduction via the first portion and/or the second portion. The present invention is adapted to cool the heat source (5).

IPC 8 full level

G03B 21/16 (2006.01)

CPC (source: EP)

G03B 21/16 (2013.01)

Citation (applicant)

- US 2008094581 A1 20080424 - NAKAGAWA NORIO [JP], et al
- EP 1843190 A2 20071010 - FUNAI ELECTRIC CO [JP]
- US 2007139937 A1 20070621 - EMERY WILLIAM [US]
- US 2007146645 A1 20070628 - LIN CHIA-JUI [TW], et al
- US 2005225963 A1 20051013 - HUANG KUO-CHIN [TW], et al

Citation (search report)

- [X] US 2008094581 A1 20080424 - NAKAGAWA NORIO [JP], et al
- [X] EP 1843190 A2 20071010 - FUNAI ELECTRIC CO [JP]
- [X] US 2007139937 A1 20070621 - EMERY WILLIAM [US]
- [X] US 2007146645 A1 20070628 - LIN CHIA-JUI [TW], et al
- [X] US 2005225963 A1 20051013 - HUANG KUO-CHIN [TW], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2233973 A1 20100929

DOCDB simple family (application)

EP 09155980 A 20090324